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IN THE CLAIMS

--1. (Twice Amended) A high voltage resistance, comprising:

at least one support and a flat conductor with length L , width ℓ and a thickness e fixed to the support and with a given resistivity ρ ,

wherein the value R of the resistance being equal to $PL/\ell e$, the value of the length L , width ℓ , and the thickness e being defined such that a mass of the flat conductor resists electrical arcing without exceeding [a given temperature] 300°C.--

Claims 18-30 (New).